

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE

Group Art Unit: 2884

Examiner: Lee, S.



Atty. Ref.: H 2182

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Martin Klein et al.

Appl. No. : 10/047,556

Filed : October 23, 2001

For : DETECTOR

MS AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR RECONSIDERATION

Sir:

This Request is submitted in response to the final rejection of July 21, 2006.

The Examiner apparently concluded that the Amendment and supporting Declaration filed on May 5, 2006 overcame the rejections raised in the office action of February 7, 2006. However, the Examiner now has objected to claims 1, 2, 5, 6, 8-10, 13-15, 17 and 18 under 35 USC 103(a) as being obvious over the previously cited Danielsson et al. reference considered in view of Gleason. Gleason had been cited earlier in the prosecution. Claim 3 now is rejected under 35 USC 103(a) as being obvious over Danielsson et al. in view of Gleason and further in view of Sauli. Sauli was the primary reference in the earlier office action.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
on November 21, 2006
Marie B. Bufalo

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The July 21, 2006 office action focuses more directly on Danielsson et al. as the primary reference. As a result, this Request for Reconsideration also will focus on Danielsson et al.

The Danielsson et al. reference discloses two embodiments. The embodiment of FIG. 3 shows a plurality of GEM foils in a cascaded arrangement. The FIG. 3 embodiment also shows a converter device between two neighboring GEM foils and independent of those GEM foils.

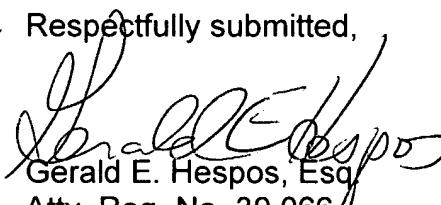
The second embodiment of Danielsson et al. is illustrated in FIGS. 7A and 9. The second embodiment has a cascaded arrangement of converter devices. Each of the converter devices in the second embodiment is a five-layer structure. The final rejection refers to the two Danielsson et al. embodiments collectively even though those two embodiments are structurally and functionally much different from one another. It is submitted that nothing in Danielsson et al. or anywhere else in the prior art would motivate the skilled artisan to modify the Danielsson et al. FIG. 2A or 3 embodiment by providing an additional converter layer on the GEM foil. This hypothetical reconstruction of the Danielsson et al. FIG. 2A or 3 embodiment would be highly unlikely because converter devices already are arranged between the GEM foils. The skilled artisan who wanted to modify the Danielsson et al. FIG. 2A or 3 embodiment merely would be likely to provide a combined converter-amplifier device in the FIG. 2A or 3 embodiment in view of the fact that such a converter-amplifier device already is disclosed by the second embodiment of Danielsson et al. depicted in FIGS. 7A and 9.

The first and second embodiments of Danielsson et al. both are different from the subject matter defined by the claims as previously presented herein. Modifying

the Danielsson et al. FIG. 3 embodiment by arranging an additional converter layer on the GEM foil is not suggested anywhere in the prior art, and was suggested first by the applicant herein in this application.

As noted above, the person of ordinary skill arguably might modify the Danielsson et al. FIG. 2A and 3 embodiment by modifying the isolating layer 204, which is arranged within the interior GEM foil to become a converter layer similar to the converter layer 708 in FIG. 7A of Danielsson et al. With that hypothetical change, the person of ordinary skill would make the middle insulating layer from a converter material, such as boron. However, the person of ordinary skill would not arrange such a boron layer to be the outermost layer of the GEM foil, since there is no indication or suggestion therefor in the prior art and since the prior art already teaches a different arrangement in the center of the amplifying device. Accordingly, it is submitted that there is no motivation for the skilled artisan to make the changes that would bring Danielsson et al. closer to the claimed invention. Certainly, there is nothing in Gleason that would motivate the skilled artisan to make these revisions to Danielsson.

Respectfully submitted,



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